

# Geotimes Index

v. 14 January —  
December 1969  
by page and issue

## articles

*Astrogeology in the 19th century* by Daniel J. Milton, 22 July  
*Auditor's report on AGI* by Price Waterhouse & Co., 22 Nov.  
*The Deep Sea Drilling Project* by Elizabeth L. Gealy & T. A. Davies, 10 Feb.  
*Deep Sea Drilling Project: distribution of samples* by DSDP staff, 13 March  
*Deep Sea Drilling Project, leg 2* by the DSDP staff, 11 March  
*Deep Sea Drilling Project: leg 3 & leg 4* by scientific staff, leg 3 & leg 4, 13 July  
*Deep Sea Drilling Project: leg 5* by scientific staff, leg 5, 19 Sept.  
*Deep Sea Drilling Project: leg 6* by the scientific staff, leg 6, 13 Oct.  
*Deep Sea Drilling Project: leg 7, 12 Dec.*  
*Deep Sea Drilling Project extended*, 17 Nov.  
*Economic geology (metals)* by Harold Kirkemo, 10 Jan.  
*Economic geology (nonmetals)* by Robert L. Bates, 11 Jan.  
*Employment vs graduate study* by George R. Downs & Bonnie C. Henderson, 15 April  
*Eocene colloquium* by Earl E. Brabb, 19 March  
*First Penrose conference* by Brian J. Skinner, 15 March  
*Geochemical exploration—an international symposium* by John A. Hansuld, 19 April  
*Geologic hazards* by Robert H. Russell, 12 Jan.  
*Geologic mapping of the Moon* by Jerry Harbour, 14 Sept.  
*Geophysics* by Gene Simmons, 13 Jan.  
*Geopolitics* by William Thurston, 14 Jan.  
*Hydrology* by William C. Ackermann, 15 Jan.  
*In New Jersey*, 28 Oct.  
*International Geological Congress* by William Thurston, 15 Dec.  
*Joachim Barrande colloquium* by Curt Teichert, 18 Oct.  
*John Wesley Powell: his life & times* by Mary C. Rabbitt, 10 May  
*John Wesley Powell: his influence on geology* by Chas. B. Hunt, 16 May  
*John Wesley Powell: his Western explorations* by William C. Darrah, 13 May  
*John Wesley Powell: the monuments* by Ellis L. Yochelson, 19 May  
*Junior colleges* by Eldon S. Roth, 17 April  
*Lead-zinc deposits of southwest Sardinia* by Robert E. Folinsbee, 18 July  
*Lunar samples*, 10 Sept.  
*Mapping* by Douglas M. Kinney, 16 Jan.  
*Manpower & salaries* by Bonnie C. Henderson, 13 Feb.  
*Multispectral terrain photography on Apollo 9* by Paul D. Lowman Jr., 17 July  
*The next 20 years* by Laurence L. Sloss, 20 Feb.  
*Oceanography* by John Lyman, 17 Jan.  
*Penrose conferences: how they work*, 14 March  
*Petrology* by Hisashi Kuno, 19 Jan.  
*photo contest*, 20 July, 26 Oct.  
*Problems in employment* by Ellis L. Krinitzky & Miles T. Rader Jr., 16 Feb.  
*Remote sensing* by Louis F. Dellwig, 20 Jan.  
*Report on the Moon*, 20 Oct.  
*Sea-floor spreading for students* by Patricia Helwig, 17 March  
*Seismology* by Carl Kisslinger, 21 Jan.  
*Sir Archibald Geikie: letters from American geologists* by Gordon Y. Craig & Mary C. Rabbitt, 21 May  
*Student enrollment in the geosciences* by Bonnie

Henderson, 19 Nov.  
*Tectonic Map of North America*, 24 Oct.  
*Tektite 1—60 days under the sea* by H. Edward Clifton, 10 April  
*Wanted: a Burleigh drill* by C. V. S. Roosevelt, 16 Nov.  
*What is rock mechanics?* by William R. Judd, 11 Nov.  
*Why major in geology? Students answer* by John L. Snyder, 13 April

## news notes

Alaska mineral deposits, 22 April  
ancient Moon, 30 Oct.  
*An oceanic quest*, 30 Oct.  
Arthur L. Day projects, 22 Feb.  
Atlantic seabed survey, 29 May  
basalts symposium, 24 Jan.  
*The breakout of Alaska's Lake George*, 32 Oct.  
buffalo returns, 32 Oct.  
building bricks, 24 April  
California landslides, 26 May  
California State Board of Registration for Geologists, 26 May, 28 July, 22 Sept.  
*Catalog of tsunamis in Alaska*, 30 Oct.  
channel drilling, 30 Oct.  
coal resources in U. S., 29 May  
Colorado state geologist, 22 April  
Committee on Ecological Research for the Inter-oceanic Canal, 25 Nov.  
continental drift, 22 March  
Czech publications, 22 Sept.  
*Deep Sea Drilling Project: leg 8*, 24 Nov.  
Delaware Geological Society field trips, 22 Sept.  
dredged rocks, 22 March  
dual-purpose fill, 26 July  
earthquake effects, 20 April  
earthquake prediction, 22 Feb., 26 May  
earthquake research, 22 March  
*Elevations and distances in the United States*, 32 Oct.  
environmental geology conference, 24 March  
ESCP in Canada?, 26 July  
*Explorer*, 22 March  
GAC meeting, 20 April  
geomagnetic reference, 28 July  
Glen Canyon map, 32 Oct.  
Gordon conferences, 20 April  
granitic rocks, 26 May  
Iceland ridge, 26 May  
industrial R&D, 30 Oct.  
Interamerican Micropaleontological Colloquium, 25 Nov.  
International Association of Planetology, 27 July  
International Geological Congress, 27 July  
International Symposium of Pleistocene Paleogeography & Periglacial Phenomena, 20 Dec.  
International Union for Quaternary Research, 25 Nov.  
Lake Tahoe, 30 Oct.  
leasing regulations, 30 Oct.  
lunar gravity, 20 April  
lunar landscape, 22 March  
lunar science head, 24 Jan.  
manganese deposit, 22 March  
Marmes man, 28 July  
mercury clue for mineral deposits, 24 April  
metallurgy conference, 29 May  
mineral production, 24 March  
minerals royalties, 22 Feb.  
monkey law, 24 Jan.  
Mt. Suribachi, 24 Feb.  
multispectral terrain photography, 22 April  
National Academy of Sciences: new members, 26 July  
NAS president, 22 March  
NAS scientist exchanges, 22 Sept.  
National Academy of Engineering, 29 May  
National Research Council, 22 Sept.  
natural gas, 20 Dec.  
NASA appointment, 20 Dec.  
NATO institute, 30 Oct.  
new seamount, 25 Nov.  
North American Paleontological Convention, 22 Dec.  
NSF state project, 24 Feb.  
ocean mining sites, 20 Dec.  
oil seepage in Santa Barbara Channel, 24 Nov.  
oil-shale lands, 25 March  
oil-shale retorting, 29 May  
oil spills, 20 Dec.  
Okefenokee photomaps, 24 Jan.  
origin of life, 24 July  
William T. Pecora, 26 July  
potential mineral deposits, 22 April  
Puerto Rico water resources, 20 April  
radioactive waste, 24 Jan.  
*Reclamation era*, 22 April  
rock-swapping, 26 July  
sea-floor minerals, 28 July  
sea-floor sites, 30 Oct.  
seismic data, 22 Feb.  
seismic-risk map, 24 March  
sensing snowpacks, 25 March  
Sigbee Knolls, 26 May  
South Pole base, 22 Feb.  
stockpile excess, 24 Jan.  
tides study, 20 April  
universities space research association, 22 Sept.  
urban area danger, 20 Dec.  
urban mapping, 32 Oct.  
urban planning, 20 Dec.  
U.S. Antarctic Research Program, 24 Nov.  
U.S. Geological Survey budget, 24 March  
U.S. National Committee on Geology, 22 Sept.  
U.S. National Committee for Geochemistry, 26 Feb.  
Vermont Geological Survey, 24 March  
Vetlesen prize, 24 Jan.  
volcanoes & their roots, 27 April  
water use, 22 April

## Institute news

American Geological Institute officers, 24 Jan., 19 Dec.  
Apollo 11 telegram, 26 Sept.  
Committee of 100, 30 July, 28 Sept.  
corporate associates, 28 Sept.  
Council on Education in the Geological Sciences, 26 Sept., 26 Dec.  
*Geotimes* subscription list, 26 Sept.  
resource inventory, 30 July  
Rift Valley trip, 24 Feb.  
short course, 30 July  
staff changes, 28 Sept., 26 Nov.  
translation and publication of Russian monographs, 26 Nov.

## societies

American Association of Petroleum Geologists, distinguished lecturers, 34 Oct.  
AAPG/Institute of Petroleum, 26 March  
AAPG officers, 30 May  
AAPG-SEPM awards, 28 July  
AIME director, 24 Feb.  
American Institute of Professional Geologists, attrition study, 26 Jan.  
AIPG officers, 26 Jan.  
Alabama AIPG, 28 Nov.  
West Virginia AIPG, 26 Dec.  
American Geophysical Union meeting, 29 July  
Association of American State Geologists, 30 July  
Association of Earth Science Editors, 26 Jan., 24 Dec.  
Association of Missouri Geologists, 26 Dec.  
cave research, 24 April  
census in Utah, 26 March

# Geotimes Index

v. 14 January —  
December 1969  
by page and issue

## articles

*Astrogeology in the 19th century* by Daniel J. Milton, 22 July  
*Auditor's report on AGI* by Price Waterhouse & Co., 22 Nov.  
*The Deep Sea Drilling Project* by Elizabeth L. Gealy & T. A. Davies, 10 Feb.  
*Deep Sea Drilling Project: distribution of samples* by DSDP staff, 13 March  
*Deep Sea Drilling Project, leg 2* by the DSDP staff, 11 March  
*Deep Sea Drilling Project: leg 3 & leg 4* by scientific staff, leg 3 & leg 4, 13 July  
*Deep Sea Drilling Project: leg 5* by scientific staff, leg 5, 19 Sept.  
*Deep Sea Drilling Project: leg 6* by the scientific staff, leg 6, 13 Oct.  
*Deep Sea Drilling Project: leg 7, 12 Dec.*  
*Deep Sea Drilling Project extended*, 17 Nov.  
*Economic geology (metals)* by Harold Kirkemo, 10 Jan.  
*Economic geology (nonmetals)* by Robert L. Bates, 11 Jan.  
*Employment vs graduate study* by George R. Downs & Bonnie C. Henderson, 15 April  
*Eocene colloquium* by Earl E. Brabb, 19 March  
*First Penrose conference* by Brian J. Skinner, 15 March  
*Geochemical exploration—an international symposium* by John A. Hansuld, 19 April  
*Geologic hazards* by Robert H. Russell, 12 Jan.  
*Geologic mapping of the Moon* by Jerry Harbour, 14 Sept.  
*Geophysics* by Gene Simmons, 13 Jan.  
*Geopolitics* by William Thurston, 14 Jan.  
*Hydrology* by William C. Ackermann, 15 Jan.  
*In New Jersey*, 28 Oct.  
*International Geological Congress* by William Thurston, 15 Dec.  
*Joachim Barrande colloquium* by Curt Teichert, 18 Oct.  
*John Wesley Powell: his life & times* by Mary C. Rabbitt, 10 May  
*John Wesley Powell: his influence on geology* by Chas. B. Hunt, 16 May  
*John Wesley Powell: his Western explorations* by William C. Darrah, 13 May  
*John Wesley Powell: the monuments* by Ellis L. Yochelson, 19 May  
*Junior colleges* by Eldon S. Roth, 17 April  
*Lead-zinc deposits of southwest Sardinia* by Robert E. Folinsbee, 18 July  
*Lunar samples*, 10 Sept.  
*Mapping* by Douglas M. Kinney, 16 Jan.  
*Manpower & salaries* by Bonnie C. Henderson, 13 Feb.  
*Multispectral terrain photography on Apollo 9* by Paul D. Lowman Jr., 17 July  
*The next 20 years* by Laurence L. Sloss, 20 Feb.  
*Oceanography* by John Lyman, 17 Jan.  
*Penrose conferences: how they work*, 14 March  
*Petrology* by Hisashi Kuno, 19 Jan.  
*photo contest*, 20 July, 26 Oct.  
*Problems in employment* by Ellis L. Krinitzky & Miles T. Rader Jr., 16 Feb.  
*Remote sensing* by Louis F. Dellwig, 20 Jan.  
*Report on the Moon*, 20 Oct.  
*Sea-floor spreading for students* by Patricia Hewig, 17 March  
*Seismology* by Carl Kisslinger, 21 Jan.  
*Sir Archibald Geikie: letters from American geologists* by Gordon Y. Craig & Mary C. Rabbitt, 21 May  
*Student enrollment in the geosciences* by Bonnie

Henderson, 19 Nov.  
*Tectonic Map of North America*, 24 Oct.  
*Tekite 1—60 days under the sea* by H. Edward Clifton, 10 April  
*Wanted: a Burleigh drill* by C. V. S. Roosevelt, 16 Nov.  
*What is rock mechanics?* by William R. Judd, 11 Nov.  
*Why major in geology? Students answer* by John L. Snyder, 13 April

## news notes

Alaska mineral deposits, 22 April  
ancient Moon, 30 Oct.  
*An oceanic quest*, 30 Oct.  
Arthur L. Day projects, 22 Feb.  
Atlantic seabed survey, 29 May  
basalts symposium, 24 Jan.  
*The breakout of Alaska's Lake George*, 32 Oct.  
buffalo returns, 32 Oct.  
building bricks, 24 April  
California landslides, 26 May  
California State Board of Registration for Geologists, 26 May, 28 July, 22 Sept.  
*Catalog of tsunamis in Alaska*, 30 Oct.  
channel drilling, 30 Oct.  
coal resources in U. S., 29 May  
Colorado state geologist, 22 April  
Committee on Ecological Research for the Inter-oceanic Canal, 25 Nov.  
continental drift, 22 March  
Czech publications, 22 Sept.  
*Deep Sea Drilling Project: leg 8*, 24 Nov.  
Delaware Geological Society field trips, 22 Sept.  
dredged rocks, 22 March  
dual-purpose fill, 26 July  
earthquake effects, 20 April  
earthquake prediction, 22 Feb., 26 May  
earthquake research, 22 March  
*Elevations and distances in the United States*, 32 Oct.  
environmental geology conference, 24 March  
ESCP in Canada?, 26 July  
*Explorer*, 22 March  
GAC meeting, 20 April  
geomagnetic reference, 28 July  
Glen Canyon map, 32 Oct.  
Gordon conferences, 20 April  
granitic rocks, 26 May  
Iceland ridge, 26 May  
industrial R&D, 30 Oct.  
Interamerican Micropaleontological Colloquium, 25 Nov.  
International Association of Planetology, 27 July  
International Geological Congress, 27 July  
International Symposium of Pleistocene Paleogeography & Periglacial Phenomena, 20 Dec.  
International Union for Quaternary Research, 25 Nov.  
Lake Tahoe, 30 Oct.  
leasing regulations, 30 Oct.  
lunar gravity, 20 April  
lunar landscape, 22 March  
lunar science head, 24 Jan.  
manganese deposit, 22 March  
Marmes man, 28 July  
mercury clue for mineral deposits, 24 April  
metallurgy conference, 29 May  
mineral production, 24 March  
minerals royalties, 22 Feb.  
monkey law, 24 Jan.  
Mt. Suribachi, 24 Feb.  
multispectral terrain photography, 22 April  
National Academy of Sciences: new members, 26 July  
NAS president, 22 March  
NAS scientist exchanges, 22 Sept.  
National Academy of Engineering, 29 May  
National Research Council, 22 Sept.  
natural gas, 20 Dec.  
NASA appointment, 20 Dec.  
NATO institute, 30 Oct.  
new seamount, 25 Nov.  
North American Paleontological Convention, 22 Dec.  
NSF state project, 24 Feb.  
ocean mining sites, 20 Dec.  
oil seepage in Santa Barbara Channel, 24 Nov.  
oil-shale lands, 25 March  
oil-shale retorting, 29 May  
oil spills, 20 Dec.  
Okefenokee photomaps, 24 Jan.  
origin of life, 24 July  
William T. Pecora, 26 July  
potential mineral deposits, 22 April  
Puerto Rico water resources, 20 April  
radioactive waste, 24 Jan.  
*Reclamation era*, 22 April  
rock-swapping, 26 July  
sea-floor minerals, 28 July  
sea-floor sites, 30 Oct.  
seismic data, 22 Feb.  
seismic-risk map, 24 March  
sensing snowpacks, 25 March  
Sigbee Knolls, 26 May  
South Pole base, 22 Feb.  
stockpile excess, 24 Jan.  
tides study, 20 April  
universities space research association, 22 Sept.  
urban area danger, 20 Dec.  
urban mapping, 32 Oct.  
urban planning, 20 Dec.  
U.S. Antarctic Research Program, 24 Nov.  
U.S. Geological Survey budget, 24 March  
U.S. National Committee on Geology, 22 Sept.  
U.S. National Committee for Geochemistry, 26 Feb.  
Vermont Geological Survey, 24 March  
Vetlesen prize, 24 Jan.  
volcanoes & their roots, 27 April  
water use, 22 April

## Institute news

American Geological Institute officers, 24 Jan., 19 Dec.  
Apollo 11 telegram, 26 Sept.  
Committee of 100, 30 July, 28 Sept.  
corporate associates, 28 Sept.  
Council on Education in the Geological Sciences, 26 Sept., 26 Dec.  
*Geotimes* subscription list, 26 Sept.  
resource inventory, 30 July  
Rift Valley trip, 24 Feb.  
short course, 30 July  
staff changes, 28 Sept., 26 Nov.  
translation and publication of Russian monographs, 26 Nov.

## societies

American Association of Petroleum Geologists, distinguished lecturers, 34 Oct.  
AAPG/Institute of Petroleum, 26 March  
AAPG officers, 30 May  
AAPG-SEPM awards, 28 July  
AIME director, 24 Feb.  
American Institute of Professional Geologists, attrition study, 26 Jan.  
AIPG officers, 26 Jan.  
Alabama AIPG, 28 Nov.  
West Virginia AIPG, 26 Dec.  
American Geophysical Union meeting, 29 July  
Association of American State Geologists, 30 July  
Association of Earth Science Editors, 26 Jan., 24 Dec.  
Association of Missouri Geologists, 26 Dec.  
cave research, 24 April  
census in Utah, 26 March

Colombian Society of Petroleum Geologists, 34 Oct.  
 Fine Particle Society, 30 May  
 French Malacology Society, 29 July  
 Geochemical Society, 26 Jan.  
 Geological Society of London awards, 25 March  
 Geological Society of Washington, 24 Feb.  
 Geologica Mexicana, 30 May  
 Georgia Geological Society, 28 Nov.  
 German Mineralogical Society, 24 Feb.  
 GIS officers, 26 Jan.  
 Geological Society of America awards, 26 Dec.  
 GSA Bibliography print-outs, 29 July  
 Geoscience Information Society officers, 26 Jan.  
 GSA research grants, 27 Nov.  
 GSA, Southeastern Section, 26 March  
 International Council of Scientific Unions, 24 Feb.  
 IMA/IAGOD meetings in Japan, 26 March  
 Lindgren award, 25 April  
 Mineralogical Society of America officers, 24 Feb.  
 MSA's 50th, 34 Oct.  
 National Association of Geology Teachers, 26 Jan.  
 NAGT Eastern, 34 Oct.  
 NAGT Far Western, 32 May, 28 Nov.  
 NAGT Southeast, 29 July  
 NAGT symposium, 28 Sept.  
 National Oceanography Association, 26 March  
 New Orleans Geological Society, 26 Jan., 26 March, 28 Nov.  
 Oklahoma City Geological Society, 28 Nov.  
 Paleontological Society, 24 Feb.  
 Rocky Mountain geologists, 25 April  
 Rocky Mountains seminars, 27 April  
 salt symposium, 26 March  
 SCOR officers, 24 Feb.  
 Seismological Society of America, 29 July, 19 Dec.  
 Society of Economic Paleontologists & Mineralogists, 26 Jan.  
 Shreveport Geological Society, 34 Oct.  
 Society of Independent Earth Scientists, 34 Oct.  
 Society of Economic Geologists, 26 March  
 Society of Exploration Geophysicists, 32 May, 28 Sept.  
 South Texas Geological Society, 34 Oct.  
 summer employment, 25 April  
 Western Society of Malacologists, 26 March

## aid & grants

advanced science seminars, 24 April  
 AIME scholarship, 27 Feb.  
 Capt. Cook fellowship, 27 March  
 college science improvement program, 28 Jan., 26 Feb.  
 Ford future scientists awards, 27 Feb.  
 environmental health fellowships, 28 Dec.  
 graduate fellowships, 32 May  
 graduate traineeship, 32 May  
 Gulf Universities Research Corp., 28 Feb.  
 Humble Oil award to AAPG, 27 March  
 Institute for the Development of Riverine & Estuarine Systems, 28 Feb.  
 institutional grants for science, 28 Jan., 26 Feb.  
 international science fair, 32 July, 36 Oct.  
 International Union for Quaternary Research travel fund, 28 Feb.  
 Kentucky fellowship, 28 Dec.  
 marine science center, 26 Dec.  
 William F. Meggers award, 29 Nov.  
 Mettler Award, 27 March  
 Missouri Geological Survey, 29 Nov.  
 Musk-Ox scholarships, 36 Oct.  
 NATO fellowships, 28 Jan., 36 Oct.  
 Ninninger award, 27 Jan.  
 National Science Foundation, 28 Nov.  
 NSF grants, 26 Dec.  
 NSF spending limit, 32 July, 29 Sept.  
 NSF state science study, 26 Feb.

NSF visiting scientists, 32 July  
 Pan Am fellows, 27 Feb., 32 May, 30 July  
 Petroleum Research Fund grants, 28 Jan., 32 July, 36 Oct., 28 Dec.  
 pollution study, 32 May  
 postdoctoral awards, 32 May  
 red-soils study, 27 March  
 remote-sensing study, 30 July  
 senior foreign scientists' fellowships, 28 Feb.  
 Sigma Xi, 27 Feb., 24 April, 32 May, 36 Oct.  
 Society of Exploration Geophysicists Foundation, 36 Oct.  
 Southern California, 29 Sept.  
 Stanford fellowships, 28 Nov.  
 student aid, 24 April  
 Woods Hole Oceanographic Institution, 26 Feb., 29 Nov.  
 Youngstown State, 26 March

## departments

Arizona State, 29 Nov.  
 University of Arizona, 28 Dec.  
 Cal Tech, 29 Jan.  
 Colorado Mines, 28 March, 32 July  
 University of Colorado, 36 Oct.  
 Columbia University, 29 Nov.  
 Cornell, 33 May  
 Eastern Washington, 26 Jan.  
 Edinboro (Pa.) State College, 26 Jan., 29 Nov.  
 University of Florida, 27 Jan.  
 Franklin & Marshall, 28 Dec.  
 Indiana (Pa.), 27 Jan.  
 Institute of Marine Sciences of the University of Miami, 29 Nov.  
 Lamont-Doherty Geological Observatory, 28 March  
 Long Island University, 28 Dec.  
 marine science consortium of Pennsylvania colleges & universities, 33 May  
 Marine Science Institute at Port Aransas, 28 March  
 Massachusetts, 32 July  
 University of Michigan, 33 May  
 Michigan State, 32 April  
 Ohio State University, 29 Nov.  
 Ohio State University Institute of Polar Studies, 29 Nov.  
 Penn State, 28 Feb.  
 Polar Studies Institute, 33 May  
 University of Rochester, 33 May  
 University of Southern California, 29 Nov.  
 St Louis University, 28 Feb.  
 Stanford, 26 Jan.  
 SUNY at Binghamton, 28 Jan.  
 University of Texas, 27 Jan.  
 University of Utah, 26 Jan.  
 University of Washington, 28 Dec.  
 Virginia Polytechnic, 33 May

## deaths

Leason H. Adams, 38 Oct.  
 Eliot Blackwelder, 31 Feb.  
 M. Guy Edwards, 31 Dec.  
 Herbert L. Hawkins, 28 March  
 William H. Heers, 31 Sept.  
 Harry H. Hess, 38 Oct.  
 Herbert Hoover Jr, 31 Sept.  
 Robert Paul Koke, 31 Dec.  
 Hisashi Kuno, 30 Nov.  
 Frederic H. Lahee, 31 Feb.  
 Vladi Marmo, 30 Nov.  
 Hugh D. Miser, 31 Sept.  
 Walter H. Newhouse, 30 Nov.  
 Ben H. Parker, 31 Sept.  
 Eugene S. Perry, 29 Jan.  
 Sir Harold Raggatt, 32 April  
 Erwin J. Raisz, 29 Jan.

Raymond Dewey Sample, 38 Oct.  
 Sergei Ivanovich Tomkeleff, 29 Jan.  
 A. A. Thompson Jr, 30 Nov.  
 Thomas W. Todd, 31 Dec.  
 Hugh H. Waesche, 33 July  
 Francis G. Wells, 31 Dec.  
 William Donald Wilkinson, 32 April  
 Hisakatsu Yabe, 31 Sept.

## reviews

*Abstracts of Belgian geology and physical geography*, 44 Oct.  
*Affluence in jeopardy* by Charles F. Park Jr, 37 July  
*Age relations in high-grade metamorphic terrains* by H. R. Wynne-Edwards, 36 Nov.  
*Amphiboles* by W. G. Ernst, 33 April  
*The archaeology of New York State* by William A. Ritchie, 37 July  
*Arid Lands in perspective* by William G. McGinnis & Bram J. Goldman, 32 Nov.  
 Arizona map, 44 Oct.  
*Before the deluge* by Herbert Wendt, 31 Feb.  
 Canyonlands map, 42 Oct.  
*Caribbean geological investigations*, Memoir 98 edited by H. H. Hess, 34 Jan.  
*Computer applications in stratigraphic analysis* by John Harbaugh & Daniel F. Merriam, 30 March  
*Current ripples, their relation to patterns of water and sediment motion* by John R. L. Allen, 39 May  
*Geological map of New Zealand* by New Zealand Geological Survey, 32 Dec.  
*Geology and archaeology of northern Cyrenaica* edited by F. T. Barr, 32 March  
*The geology of New York City and environs* by Christopher J. Schubert, 34 April  
*The great Alaska earthquake of 1964* by Panel on Hydrology, Committee on the Alaska Earthquake, 34 May  
*Ground water problems* edited by Erik Eriksson, Yngve Gustafsson & Kaj Nilsson, 35 April  
*Introduction to ground water hydrology* by Ralph C. Heath & Frank W. Trainer, 35 April  
*An introduction to marine geology* by M. J. Keen, 38 May  
*Kilauea: case history of a volcano* by Don Herbert & Fulvio Bardossi, 31 March  
*Layered igneous rocks* by L. R. Wager & G. M. Brown, 36 May  
*Mantles of the Earth and terrestrial planets* edited by S. K. Runcorn, 32 Jan.  
*Men and dinosaurs* by Edwin H. Colbert, 32 Feb.  
*Natural gases of North America* edited by B. Warren Beebe (Bruce F. Curtis, associate editor), 38 July  
*Natural resource information for economic development*, 40 Oct.  
*Notes and comments on Vertebrate Paleontology* by Alfred Sherwood Romer, 34 Nov.  
*Pleistocene extinctions: the search for a cause*, edited by P. S. Martin & H. E. Wright Jr, 30 Jan.  
*Principles of geology* by James Gilluly, Aaron C. Waters & A. O. Woodford, 30 March  
*Processes of coastal development* by V. P. Zenkovich, 34 Dec.  
*Quaternary paleoecology* edited by E. J. Cushing & H. E. Wright Jr, 34 Feb.  
*Radiometric dating for geologists* edited by E. I. Hamilton & R. M. Farquhar, 32 Feb.  
*Recent developments in carbonate sedimentology in central Europe*, 40 Oct.  
*Rock and mineral analysis*, 40 Oct.  
*Time and space relationships of the Taconic allochthon and autochthon* by E-an Zen, 30 Jan.  
 Tucson photomap, 42 Oct.